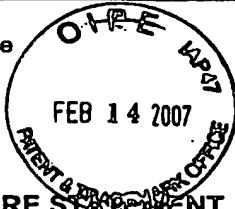


FORM PTO-1449 (modified)  
 To: U.S. Department of Commerce  
 (PW FORM PAT-1449)  
 Patent and Trademark Office



Atty. Dkt. No.	M#.	Client Ref.
081468	0305376	P-0362.010-US

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Date: February 14, 2007

Page **1** of **1**

Applicant: VAN BILSEN et al.

Appln. No.: 10/665,404

Filing Date: September 22, 2003

Examiner: Stephone B. Allen Group Art Unit: 2878

**U.S. PATENT DOCUMENTS**

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub. Class	Filing Date (if appropriate)
JL	AR	4,356,392	10/1982	Wittekoek et al.			
	BR	4,596,467	06/1986	Bartelt			
	CR	4,737,283	04/1988	Gresch			
	DR	5,047,651	09/1991	Wessner et al.			
	ER	5,381,210	01/1995	Hagiwara et al.			
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	GR	5,995,198	11/1999	Mizutani			
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	JR	6,864,956 B1	03/2005	Teong et al.			
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	LR	7,109,508 B2	09/2006	Shiraishi			
	MR	2001/0026368	10/2001	Mikami			
↓	NR	2002/0041373	04/2002	Littau et al.			
JL	OR	2002/0072003	06/2002	Brill et al.			

**FOREIGN PATENT DOCUMENTS**

	Document Number	Date MM/YYYY	Country	Inventor or Assignee Name		English Abstract	Translation Readily Available
						Enclosed	No
JL	PR 02/052350 A1	07/04/2002	PCT	Monshouwer et al.			X
	QR 02/065545 A2	08/22/2002	PCT	Sezginer et al.			X
	RR 0 164 165 B1	02/24/1988	European Patent Office	Van Der Werf			X
	SR 0 467 445 B1	01/20/1999	European Patent Office	Van Den Brink et al.			X
↓	TR 1 256 849 A1	11/13/2002	European Patent Office	Baselmans			X
	UR 3-257303	11/15/1991	Japan	Keiichiro TONAI		X	
JL	VR DD 262 510	11/30/1988	Germany	VEB Carl Zeiss Jena		X	
	WR						

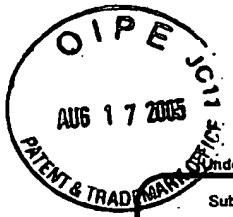
**OTHER (including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

JL	XR	Ramon Navarro, et al., "Extended ATHENA™ alignment performance and application for the 100 nm technology node", Metrology, Inspection, and Process for Microlithography XV, Proceedings of SPIE, Vol. 4344 (2001)			X
	YR				

Examiner **/John Lee/ (03/01/2007)**

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



AUG 17 2005

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet 1 of 1

<b>Complete if Known</b>	
Application Number	10/665,404
Filing Date	09/22/2003
First Named Inventor	FRANK VAN BILSEN
Art Unit	2881
Examiner Name	
Attorney Docket Number	201-100-2205670

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
JL		JP 2001-267211	Sep. 28, 2001	Mizutani		

Examiner Signature	/John Lee/ (02/18/2007)	Date Considered	
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**\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.<sup>1</sup> Applicant's unique citation designation number (optional).<sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.**

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/665,404
(Use as many sheets as necessary)				Filing Date	09/22/2003
				First Named Inventor	FRANK VAN BILSEN
				Art Unit	2881
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	081468-0305376

#### NON-PATENT LITERATURE DOCUMENTS

Examiner Signature	/John Lee/ (02/18/2007)	Date Considered	
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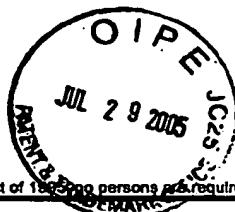
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Sheet

1

of 1

## Complete If Known

Application Number	10/665,404
Filing Date	09/22/2003
First Named Inventor	FRANK VAN BILSEN
Art Unit	2881
Examiner Name	
Attorney Docket Number	081468-0305376

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
JL		US- 2002/0021434 A1	Feb. 21, 2002	Nomura et al.	
JL		US- 6,297,876 B1	Oct. 2, 2001	Bornebroek	
JL		US- 4,332,473	Jun. 1, 1982	Ono	
JL		US- 4,200,395	Apr. 29, 1980	Smith et al.	
JL		US- 6,285,455 B1	Sep. 4, 2001	Shiraishi	
JL		US- 4,757,207	Jul. 12, 1988	Chappelow et al.	
JL		US- 6,160,622	Dec. 12, 2000	Dirksen et al.	
JL		US- 2002/0158193 A1	Oct. 31, 2002	Sezginer et al.	
		US-			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
JL		JP 2001-267211	Sep. 28, 2001	Mizutani		

Examiner Signature

/John Lee/ (02/18/2007)

Date Considered

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Atty. Dkt. No.	M#	Client Ref.
	0305376	P-0362.010-US
Applicant: Frank VAN BILSEN		
Appln. No.: 10/665,404		
Filing Date: September 22, 2003		
Examiner:	Group Art Unit: 2881	

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Date: March 31, 2004

Page 1 of 1

**U.S. PATENT DOCUMENTS**

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
JL	AR	2003/0002043	01/2003	ABDULHALIM et al.			
JL	BR	5,910,847	06/1999	VAN DER WERF et al.			
JL	CR	5,674,650	10/1997	DIRKSEN et al.			
DR							
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**FOREIGN PATENT DOCUMENTS**

		Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
						Enclosed	No
SR							
TR							
UR							
VR							
WR							
XR							

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

YR			
ZR			
AAR			
BBR			
CCR			

Examiner /John Lee/ (02/18/2007)	Date Considered:
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Atty. Dkt. No.	M#	Client Ref.
	0305376	P-0362.010-US
Applicant: Frank VAN BILSEN		
Appln. No.: 10/665,404		
Filing Date: September 22, 2003		
Examiner:	Group Art Unit: 2881	

Date: May 5, 2004

Page 1 of 1

#### U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
JL	AR 6,420,791 B1	07/2002	HUANG et al.			
JL	BR 2002/0158193 A1	10/2002	SEZGINER et al.			
CR						
DR						
ER						
FR						
GR						
HR						
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JR						
KR						
LR						
MR						
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OR						
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RR						

#### FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
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SR								
TR								
UR								
VR								
WR								
XR								

#### OTHER (including in this order: Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

YR			
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Examiner /John Lee/ (02/18/2007)

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Atty. Dkt. No.	M#	Client Ref.
	0305376	P-0362.010-US
Applicant: VAN BILSEN et al.		
Appn. No.: 10/665,404		
Filing Date: September 22, 2003		
Examiner:	Group Art Unit: 2881	

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Date: February 10, 2004

Page **1** of **2**

**U.S. PATENT DOCUMENTS**

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
JL	AR	4,037,969	07/1977	FELDMAN et al.			
	BR	4,236,805	04/1982	FELDMAN et al.			
	CR	4,251,160	02/1981	BOUWHUIS et al.			
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	GR	4,540,277	09/1985	MAYER et al.			
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	JR	4,710,026	12/1987	MAGOME et al.			
	KR	4,748,333	05/1988	MIZUTANI et al.			
	LR	4,778,275	10/1988	VAN DEN BRINK et al.			
	MR	4,814,829	03/1989	KOSUGI et al.			
	NR	4,828,392	05/1989	NOMURA et al.			
	OR	4,857,744	08/1989	KATAOKA et al.			
	PR	4,861,162	08/1989	INA			
	QR	4,870,452	09/1989	TANIMOTO et al.			
	RR	4,952,970	08/1990	SUZUKI et al.			
	SR	5,100,237	03/1992	WITTEKOEK et al.			
▼	TR	5,114,236	05/1992	MATSUGU et al.			
	UR	5,118,953	06/1992	OTA et al.			

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
						Enclosed	No	Enclose	No
JL	VR	11-329914	11/1999	Japan	SAKO TAKASHI	X			X
	WR								
	XR								
	YR								

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

ZR	Markle, D. A., "Submicron 1:1 Optical Lithography", Semi-conductor International, pp. 173-142, May 1986.	X
AAR		
BBR		
CCR		

Examiner **/John Lee/ (02/18/2007)**

Date Considered:

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	0305376	P-0362.010-US
Applicant: VAN BILSEN et al.		
Appln. No.: 10/665,404		
Filing Date: September 22, 2003		
Examiner:	Group Art Unit: 2881	

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Date: February 10, 2004

Page 2 of 2

**U.S. PATENT DOCUMENTS**

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
JL	AR	5,144,363	09/1992	WITTEKOEK et al.			
	BR	5,151,754	09/1992	ISHIBASHI et al.			
	CR	5,160,849	11/1992	OTA et al.			
	DR	5,243,195	09/1993	NISHI			
	ER	5,347,356	09/1994	OTA et al.			
	FR	5,418,613	05/1995	MATSUTANI			
	GR	5,477,057	12/1995	ANGELEY et al.			
	HR	5,488,230	01/1996	MIZUTANI et al.			
	IR	5,489,986	02/1996	MAGOME et al.			
	JR	5,543,921	08/1996	UZAWA et al.			
	KR	5,559,601	09/1996	GALLATIN et al.			
	LR	5,596,204	01/1997	IRIE et al.			
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	NR	5,808,910	09/1998	IRIE et al.			
	OR	5,920,376	07/1999	BRUCKSTEIN et al.			
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	QR	6,034,378	03/2000	SHIRAISHI			
	RR	6,133,641	10/2000	HAMADA et al.			
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▼	TR	6,242,754 B1	06/2001	SHIRAISHI et al.			
	UR	6,297,876 B1	10/2001	BORNEBROEK			

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date MM/YYYY	Country	Inventor Name		English Abstract	Translation Readily Available		
							Enclosed	No	Enclose	No
	VR									
	WR									
	XR									
	YR									

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ZR			
AAR			
BBR			
CCR			
DDR			

Examiner /John Lee/ (02/18/2007)

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PAT-1449 12/98

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Substitute for form 1449B/PTO				Complete If Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/665,404
				Filing Date	09/22/2003
				First Named Inventor	FRANK VAN BILSEN
				Art Unit	2881
				Examiner Name	
(Use as many sheets as necessary)					
Sheet	1	of	1	Attorney Docket Number	081468-0305376

#### NON-PATENT LITERATURE DOCUMENTS

Examiner Signature	/John Lee/ (02/18/2007)	Date Considered	
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**\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

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APPENDIX

Examiner's Initials	First Inventor	Application No.	Filing Date	Enclosed
JL	Navarro y Koren et al.	10/665,364	September 22, 2003	<input checked="" type="checkbox"/> Specification <input checked="" type="checkbox"/> Drawings <input checked="" type="checkbox"/> Other: Papers as filed including any Preliminary Amendment
JL	Den Boef et al.	10/665720	September 22, 2003	<input checked="" type="checkbox"/> Specification <input checked="" type="checkbox"/> Drawings <input checked="" type="checkbox"/> Other: Papers as filed including any Preliminary Amendment
JL	Van Haren et al.	10/665360	September 22, 2003	<input checked="" type="checkbox"/> Specification <input checked="" type="checkbox"/> Drawings <input checked="" type="checkbox"/> Other: Papers as filed including any Preliminary Amendment

The Examiner's initials indicates he/she has considered the cited application relative to the subject application.

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